

TECHNIQUES FOR COOLING A SET OF CIRCUIT BOARDS WITHIN
A RACK MOUNT CABINET

ABSTRACT OF THE DISCLOSURE

5 A data storage subsystem is configured to mount within a rack mount cabinet.
The data storage subsystem includes a housing configured to mount to a set of vertical
rails of the rack mount cabinet, a set of circuit boards configured to install in a vertically
aligned manner within the housing to define a set of vertically oriented channels within
a central space defined by the set of vertical rails of the rack mount cabinet, and a fan
10 assembly configured to mount to the set of vertical rails in a position above the housing
to generate a vertical air stream through the set of vertically oriented channels and to
exhaust the vertical air stream to an external location above the rack mount cabinet.
The vertical air stream enables robust heat removal from the set of circuit boards even if
the rack mount cabinet does not reside in a cold-isle environment.